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FILE 'BIOSIS' ENTERED AT 15:40:32 ON 14 MAR 2006 Copyright (c) 2006 The Thomson Corporation

=> s agrobact? rhizogen?

L1 5621 AGROBACT? RHIZOGEN?

=> s peroxidase and l1

L2 87 PEROXIDASE AND L1

=> s oxalate oxidase and 12

L3 1 OXALATE OXIDASE AND L2

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:260559 CAPLUS

DN 132:275153

TI Production of transgenic plants using Agrobacterium rhizogenes and peroxide-producing enzyme gene as selectable marker

IN Pagniez, Michel; Grison, Rene; Toppan, Alain

PA Biogemma, Fr.

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

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WO	2000	02214	48		A1		2000	0420	1	WO 1	999-	FR24	12		19	9991	800	
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     (FILE 'HOME' ENTERED AT 15:40:11 ON 14 MAR 2006)
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L2
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L3
              1 S OXALATE OXIDASE AND L2
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             4 (BRASSICA OR RAPE) AND L2
L4
=> dup rem 14
PROCESSING COMPLETED FOR L4
              2. DUP REM L4 (2 DUPLICATES REMOVED)
L5
=> d 1-2
     ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
L5
     2000:260559 CAPLUS
AN
DN
     132:275153
     Production of transgenic plants using Agrobacterium
ТT
     rhizogenes and peroxide-producing enzyme gene as selectable marker
     Pagniez, Michel; Grison, Rene; Toppan, Alain
IN
PA
     Biogemma, Fr.
so
     PCT Int. Appl., 41 pp.
     CODEN: PIXXD2
DТ
     Patent
     French
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     WO 2000022148
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PRAI FR 1998-12704 Δ 19981009 WO 1999-FR2412 W 19991008

THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 16 ALL CITATIONS AVAILABLE IN THE RE FORMAT

- ANSWER 2 OF 2 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 1 L5
- AN 97:65289 CABA
- 19971605118 DN
- Production of peroxidases by hairy roots of Brassica ΤI
- Agostini, E.; Forchetti, S. M. de; Tigier, H. A.; De Forchetti, S. M. ΑU
- Departamento de Biologia Molecular, Universidad Nacional de Rio Cuarto, CS 5800 Rio Cuarto, Cordoba, Argentina.
- Plant Cell, Tissue and Organ Culture, (1997) Vol. 47, No. 2, pp. 177-182. SO 25 ref.

ISSN: 0167-6857

- DT Journal
- English LA
- ED Entered STN: 19970612

Last Updated on STN: 19970612

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ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN L5

The invention concerns a method for obtaining transgenic plants expressing AB a protein activity producing H2O2 comprising the following steps which consist in: (a) transforming plant cells with Agrobacterium rhizogenes containing a vector bearing a gene coding for a protein producing H2O2 in a context which enables its expression in the plant; (b) selecting transformants which contain and express said gene by a peroxidase colorimetric test; (c) regenerating the plants from selected roots and controlling the expression of the resulting plantlets by a peroxidase colorimetric test; (d) phenotypic screening and optionally mol. anal. of the transgenic plant progeny, enabling to select and confirm the resulting transgenic plants containing only the transgene and not the T-DNA belonging to the Agrobacterium rhizogenes The invention is useful for obtaining transgenic plants.

transgenic rape, cauliflower, sunflower, tobacco and tomato plants expressing an endochitinase gene were prepared using the described The H2O2-producing enzyme used was the wheat germ oxalate oxidase.

ACCESSION NUMBER:

2000:260559 CAPLUS

DOCUMENT NUMBER:

132:275153

TITLE:

Production of transgenic plants using

Agrobacterium rhizogenes and

peroxide-producing enzyme gene as selectable marker

Pagniez, Michel; Grison, Rene; Toppan, Alain

INVENTOR(S): PATENT ASSIGNEE(S):

Biogemma, Fr.

SOURCE:

PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

French

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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WO 2000022148				A1 20000420			1	WO 1999-FR2412						19991008		
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REFERENCE COUNT:
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ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN L5

The invention concerns a method for obtaining transgenic plants expressing AB a protein activity producing H2O2 comprising the following steps which consist in: (a) transforming plant cells with Agrobacterium rhizogenes containing a vector bearing a gene coding for a protein producing H2O2 in a context which enables its expression in the plant; (b) selecting transformants which contain and express said gene by a peroxidase colorimetric test; (c) regenerating the plants from selected roots and controlling the expression of the resulting plantlets by a peroxidase colorimetric test; (d) phenotypic screening and optionally mol. anal. of the transgenic plant progeny, enabling to select and confirm the resulting transgenic plants containing only the transgene and not the T-DNA belonging to the Agrobacterium rhizogenes The invention is useful for obtaining transgenic plants. transgenic rape, cauliflower, sunflower, tobacco and tomato plants expressing an endochitinase gene were prepared using the described method. The H2O2-producing enzyme used was the wheat germ oxalate

ACCESSION NUMBER: 2000:260559 CAPLUS

DOCUMENT NUMBER: 132:275153

TITLE: Production of transgenic plants using

Agrobacterium rhizogenes and

peroxide-producing enzyme gene as selectable marker

INVENTOR(S): Pagniez, Michel; Grison, Rene; Toppan, Alain

PATENT ASSIGNEE(S): Biogemma, Fr.

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent French

LANGUAGE:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

oxidase.

PATENT NO.				KIND DATE		APPLICATION NO.						DATE				
WO 2000022148				A1 20000420			WO 1999-FR2412						19991008			
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PRIORITY APPLN. INFO.:			FR 1998-12704	A 19981009
			WO 1999-FR2412	W 19991008
REFERENCE COUNT:	16	THERE ARE 16	CITED REFERENCES	AVAILABLE FOR THIS
		RECORD. ALL	CITATIONS AVAILABL	E IN THE RE FORMAT

ANSWER 2 OF 2 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 1 L5 AB Hairy root cultures derived from leaf explants of Brassica napus produced and secreted peroxidases. The enzyme activity in the medium increased with growth but it remained nearly constant in the tissue. The changes in extracellular peroxidase activity seemed to be correlated with the increase in a basic peroxidase of pI 9.6. Four isoenzymes with pI in the range 8.5-9.6 and a neutral peroxidase of pI 6.3 were the most important peroxidases detected in cell extracts. Ca2+ addition at the beginning of the culture stimulated both the excretion of peroxidase to the medium and the enzyme activity in hairy roots, but the isoenzyme profiles did not show qualitative changes during the growth cycle for both culture conditions.

ACCESSION NUMBER:

97:65289 CABA 19971605118

DOCUMENT NUMBER: TITLE:

Production of peroxidases by hairy roots

of Brassica napus

AUTHOR:

Agostini, E.; Forchetti, S. M. de; Tigier, H. A.; De

Forchetti, S. M.

CORPORATE SOURCE:

Departamento de Biologia Molecular, Universidad Nacional de Rio Cuarto, 5800 Rio Cuarto, Cordoba,

Argentina.

SOURCE:

Plant Cell, Tissue and Organ Culture, (1997) Vol.

47, No. 2, pp. 177-182. 25 ref.

ISSN: 0167-6857

DOCUMENT TYPE:

LANGUAGE: Engli

ENTRY DATE:

Journal English

Entered STN: 19970612

Last Updated on STN: 19970612

Freeform Search

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database Database: EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins dicot and L12 Term: Documents in <u>Display Format</u>: CIT Starting with Number 1 10 Display: Generate: O Hit List O Hit Count O Side by Side O Image semmestall . Clear **Search History**

DATE: Tuesday, March 14, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGF	PB,USPT,EPAB,JPAB,DWPI; PLUR=N	IO; OP=OR	
<u>L13</u>	dicot and L12	6	<u>L13</u>
<u>L12</u>	(transfor\$ or transgen\$) and L11	16	<u>L12</u>
<u>L11</u>	(oxalate adj oxidase) and 110	16	<u>L11</u>
<u>L10</u>	peroxidase and 19	1073	<u>L10</u>
<u>L9</u>	Agrobacte\$ and rhizogenes	3495	<u>L9</u>
DB = USP	T; PLUR=NO; OP=OR		
<u>L8</u>	(oxalate adj oxidase) and L7	10	<u>L8</u>
<u>L7</u>	(transgen\$ or transfor\$) and L6	395	<u>L7</u>
<u>L6</u>	(rape or brassica) and L5	395	<u>L6</u>
<u>L5</u>	peroxidase and L4	525	<u>L5</u>
<u>L4</u>	Agrobacte\$ and rhizogenes	1799	<u>L4</u>
<u>L3</u>	5859340.pn.	1	<u>L3</u>
<u>L2</u>	L1 and peroxidase	1	<u>L2</u>
<u>L1</u>	6187571.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20050124010 A1

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L13: Entry 1 of 6

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050124010

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050124010 A1

TITLE: Whole cell engineering by mutagenizing a substantial portion of a starting

genome combining mutations and optionally repeating

PUBLICATION-DATE: June 9, 2005

INVENTOR - INFORMATION:

NAME CITY STATE COUNTRY Rancho Santa Fe CA US Short, Jay M US Lowrey Avenue ΗI Fu, Pengcheng CA US Wei, Jing San Diego ÇA US Levin, Michael San Diego Latterich, Martin Montellano Terrace, San Diego CA US

US-CL-CURRENT: <u>435/7.23</u>; <u>702/19</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
	2. Г)ocume	nt ID:	US 20	040077090	A1						
		2 of					File: P	GPB		Apr	22,	2004

PGPUB-DOCUMENT-NUMBER: 20040077090

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040077090 A1

TITLE: Whole cell engineering by mutagenizing a substantial portion of a starting

genome, combining mutations, and optionally repeating

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Short, Jay M. Rancho Santa Fe CA US

Page 2 of 4

Record List Display

US-CL-CURRENT: 435/471; 435/252.3, 435/254.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

☐ 3. Document ID: US 20030233670 A1

L13: Entry 3 of 6

File: PGPB

Dec 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030233670

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030233670 A1

TITLE: Gene sequences and uses thereof in plants

PUBLICATION-DATE: December 18, 2003

INVENTOR-INFORMATION:

COUNTRY NAME CITY STATE St. Louis MO US Edgerton, Michael D. Chomet, Paul S. Mystic CTUS CTUS Laccetti, Lucille B. Groton

US-CL-CURRENT: 800/278; 435/200, 435/320.1, 435/419, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, De

4. Document ID: US 20030135888 A1

L13: Entry 4 of 6

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030135888

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030135888 A1

TITLE: Genes that are modulated by posttranscriptional gene silencing

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME San Diego CA US Zhu, Tong San Diego CA US Wang, Xun San Diego CA US Chang, Hur-Song Briggs, Steven P. Del Mar CA US La Jolla CA US Cooper, Bret San Diego CA US Glazebrook, Jane CA US Goff, Stephen A. Encinitas CA US Katagiri, Fumiaki San Diego Kreps, Joel Carlsbad CA US

Moughamer, Todd Provart, Nicholas Ricke, Darrell San Diego Toronto San Diego

CA CA US CA US

US-CL-CURRENT: 800/288; 435/320.1, 435/419, 536/23.2, 800/306, 800/320, 800/320.1, 800/320.2, 800/320.3

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 5. Document ID: US 6979732 B1

L13: Entry 5 of 6

File: USPT

Dec 27, 2005

US-PAT-NO: 6979732

DOCUMENT-IDENTIFIER: US 6979732 B1

TITLE: Polynucleotide compositions encoding S-adenosyl-L-methionine:phosphoethanolamine N-methyltransferase and methods for modulating lipid biosynthesis in plants

DATE-ISSUED: December 27, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Jul 24, 2001

Nuccio; Michael L.

Melrose

 $_{
m FL}$

Hanson; Andrew D.

Gainesville

FL

Henry; Susan A.

Pittsburgh

PA

File: USPT

US-CL-CURRENT: 536/23.2; 435/235.1, 435/252.3

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De 6. Document ID: US 6265638 B1

US-PAT-NO: 6265638

L13: Entry 6 of 6

DOCUMENT-IDENTIFIER: US 6265638 B1

TITLE: Method of plant transformation

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bidney; Dennis L. Urbandale IA Scelonge; Christopher Jay Des Moines IA

US-CL-CURRENT: 800/294; 435/252.2, 435/252.3, 435/320.1, 435/410, 435/430, 435/468, 435/469, 800/278

Full	Title	Citation	Front	Review	Classification	Date	Reference	Seguences	Attachments	Claims	KWIC	Draw. De
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